

**Amendment to the Claims:**

1-2. (Canceled)

3. (Previously presented) A magnetic resonance imaging system as claimed in claim 9, wherein the control system controls the execution of operational items on the basis of an execution list and the scheduler releases operational items according to the ordered selection.

4. (Currently amended) A diagnostic imaging system as claimed in ~~claim 4~~ claim 15, wherein the scheduler module releases operational items in dependence of successful completion of preceding operational items of the ordered selection.

5. (Currently amended) A diagnostic imaging system as claimed in ~~claim 4~~ claim 15, wherein the scheduler module is provided with a memory, in particular a database with a browser, to store scan schedules.

6. (Currently amended) A diagnostic imaging system comprising:

a control system to control the execution of operational items by the diagnostic imaging system; and

a user interface coupled to the control system, the user interface including a scheduler module which generates an ordered selection of operational items~~[[,]] the ordered selection of the ordered selection of operational items being~~ autonomously ordered by the scheduler module for execution under control of the control system, the ordered selection being generated by arranging the operational items in said ordered selection of operational items based on parameter settings of the operational items;

wherein the scheduler module is configured to issue instructions to the user prompted by the operational items during the execution of the operational items.

7. (Currently amended) A diagnostic imaging system as claimed in ~~claim 1~~  
claim 15, wherein the scheduler module is arranged to make available to the user  
interface a description of the operational item being released to the execution list.

8. (Previously presented) A magnetic resonance imaging system as claimed in  
claim 3, wherein the scheduler module is arranged to provide progress information to  
the user interface, said progress information being related to the way the execution of  
operational items is advancing.

9. (Currently amended) A magnetic resonance imaging system comprising:  
a control system to control the execution of operational items by the magnetic  
resonance imaging system;

a user interface coupled to the control system, the user interface including a  
scheduler module which generates an ordered selection of operational items for  
execution controlled by the control system, wherein the scheduler module  
autonomously orders the operational items by arranging the operational items in said  
ordered selection of operational items based on respective parameter settings of the  
operational items; and

a displaceable patient support;

wherein the control system is set up to displace the patient support among  
various imaging stations and conduct several different magnetic resonance imaging  
sequences at individual imaging stations ~~such that the different magnetic resonance  
imaging sequences at each individual imaging station share the same geometry~~, the  
control system grouping all image acquisition sequences to be performed at each  
individual station together and performing all image acquisition sequences to be  
performed at each individual station together before the patient support is moved to a  
next station of the various imaging stations.

10. (Currently amended) The diagnostic imaging system as claimed in ~~claim 1~~  
claim 15, wherein the diagnostic imaging system is a magnetic resonance imaging  
system.

11. (Previously presented) The diagnostic imaging system as claimed in claim 6, wherein the diagnostic imaging system is a magnetic resonance imaging system.

12. (Previously presented) The diagnostic imaging system as claimed in claim 11, wherein the scheduler module is arranged to issue an instruction to the user prompted by execution of an operational item calling for applying a surface RF coil.

13. (Previously presented) The diagnostic imaging system as claimed in claim 6, wherein the scheduler module is arranged to issue an instruction to the user prompted by execution of an operational item calling for infusion of contrast agent.

14. (Currently amended) The diagnostic imaging system as claimed in ~~claim 4~~ claim 15, wherein the scheduler module supports an editing mode in which an operator can edit the autonomously ordered selection of operational items.

15. (Currently amended) ~~The~~ A diagnostic imaging system as ~~claimed in claim 4~~, wherein comprising:

a control system to control the execution of operational items by the diagnostic imaging system on the basis of an execution list; and

a user interface coupled to the control system, the user interface including a scheduler module which generates an ordered selection of operational items, wherein the scheduler module autonomously orders the operational items by arranging the operational items in said ordered selection of operational items based on respective parameter settings of the operational items, and wherein the scheduler module releases operational items to the execution list according to the ordered selection and provides progress information to the user interface during a diagnostic imaging session related to the way the execution of operational items is advancing in the diagnostic imaging session in progress.